# **Aura EPO Components**

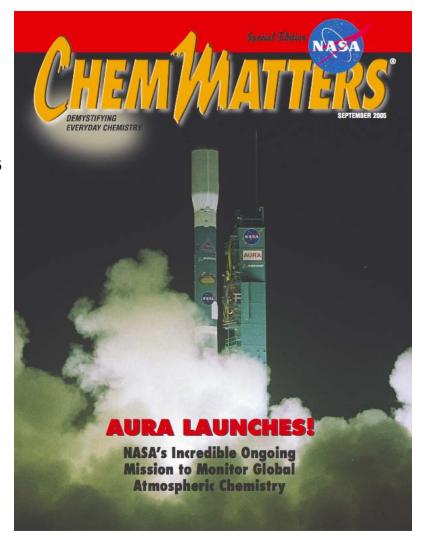
- American Chemical Society
- GLOBE School Program and Teacher Workshops
- Smithsonian National Museum of Natural History
- Smaller Museum Programs
- Other Post Launch Initiatives



# Fourth issue of ChemMatters published September 2005 with the American Chemical Society

- · How the Earth Got it's Aura.
- Flight of the WB-57.
- What's so Equal about Equilibrium
- Clearing the Air-Treaties to Treatments
- Student Gardens Monitor Air Quality





## Aura Poster - Developed with the American Chemical Society



Submitted to NASA Earth Science Education Product Review

Possible inclusion in IPY packet

13,000 posters available

EXPLORING EARTH'S ATMOSPHERE:



#### GLOBE Atmospheric Sciences Workshop for Teachers Summer 2006 and 2007

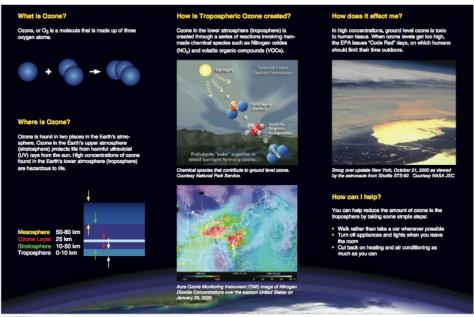
- 2006 workshop at GSFC for Goddard Education Staff August 29-30
- 2007 workshop at JPL hosted by Aura
- Participants will learn GLOBE protocols for surface ozone, aerosols, UV and clouds.
- Focus will be on NASA educators who work with NASA Explorer Schools
- Support for GLOBE Aerosols PI





#### THE OZONE MONITORING GARDEN





# Ozone Biomonitoring Garden At the Goddard Visitor Center

www.nasa.gov

- Litho developed for 2006 Earth Science Week
- Website in Development
- Trained GSFC Education Staff
- Introduced to teachers during summer workshops
- SOS Air Quality presentation developed for visitors

Aeronautics and Space Administration

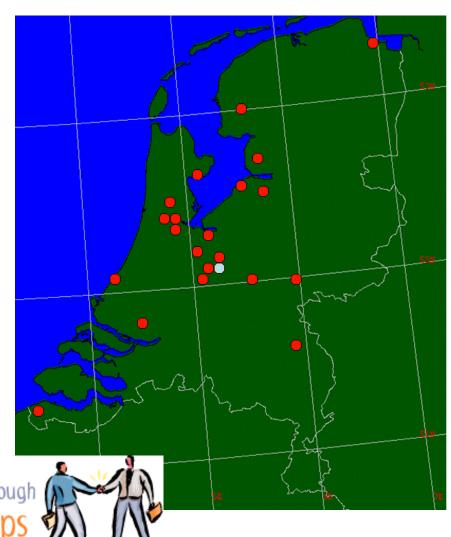
#### THE OZONE MONITORING GARDEN



### **GLOBE** in the Netherlands

http://www.knmi.nl/globe/index\_en.html

- Aerosol monitoring project run by KNMI and the Foundation for Environmental Education (SME)
- Involves the validation of satellite AOT using a handheld sun photometer
- Featured in article on NASA Earth
  Observatory
  (http://earthobservatory.nasa.gov/Stu
  dy/Partnerships/



Enhancing Research and Education through by Jeannie Allen · design by Robert Simmon Partnerships

### **Smithsonian NMNH Exhibit**

#### "Atmosphere: Change is in the Air"

#### The exhibit answers three main questions:

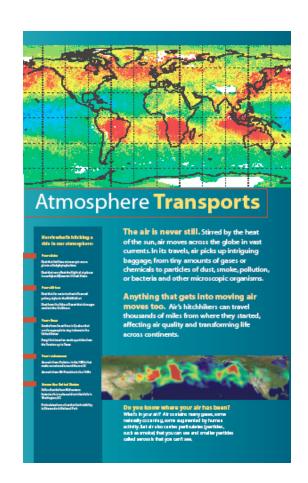
- What is the atmosphere?
- How is the atmosphere important to our lives?
- How do we study the atmosphere?

#### **Includes**

- Milky Way zoom-in to Smithsonian on Washington Mall
- Aura 1/8 model
- TOMS Engineering Model
- Antarctic Ozone Hole Movie 1996-2004 (TOMS+OMI)
- Cartoon illustrating reactivity of O<sub>2</sub> and O<sub>3</sub>
- Interactive: Earth with Low, Existing, High O<sub>2</sub>, O<sub>3</sub>, CO<sub>2</sub>

#### **Future Plans**

- Create traveling exhibit
- Use existing multimedia in GSFC Visitor Center and on virtual exhibit website





## **Working with Small Museums**

Earth Explorer Institutes "Earth by Aura: Ultraviolet Radiation Data Collection By and For the Public"

- Funded through NASA Education Office and NASA Earth Sciences
- Includes Maryland Science Center in Baltimore and Bishop Museum in Honolulu
- Project materials will be shared by other Museums in the EEI network



#### What's Next? Additional Post Launch Activities

- Articles for Earth Observatory including validation campaigns
- Aura Science and Validation results brochure
- Aura Poster
- Aura Involvement in IPY
- Education Component for 2007 Aura Validation Campaign